

## KC-130 HERCULES

### DESCRIPTION

The KC-130 is a versatile four-engine, tactical aerial refueler/assault support aircraft. It is the only long-range, fixed-wing, assault-support capability organic to the Marine Corps. The KC-130J, with its increase in speed (+20 percent) and range (+35 percent) over legacy aircraft, features an improved air-to-air refueling system and a state-of-the-art flight station. A Rolls Royce AE 2100D3 propulsion system, Dowty R391 advanced technology six-bladed propeller system, and a 250-knot cargo ramp and door, complete the package, which provides the Marine Air Ground Task Force (MAGTF) commander with a state-of-the-art, multi-mission, tactical aerial-refueler/assault-support transport asset well into the 21st century. The Marine Corps is currently replacing its aging active fleet of KC-130Fs and KC-130Rs and in the future, its reserve KC-130Ts with the new KC-130J.

### OPERATIONAL IMPACT

The KC-130J provides the following capabilities: tactical in-flight refueling for fixed-wing, rotary-wing, and tilt-rotor aircraft; rapid ground refueling of aircraft or tactical vehicles; assault air transport of air landed or aerial delivered personnel

and equipment; airborne command and control augmentation; pathfinder; battle-field illumination; tactical aero-medical evacuation; and, Tactical Recovery of Aircraft and Personnel support. This force multiplier is well suited to the mission needs of the forward-deployed MAGTF. The KC-130J will bring increased capability and mission flexibility to combat planning with its satellite communications system capability, survivability enhancements, aerial refueling and rapid ground refueling capabilities, and improved aircraft systems reliability.

### PROGRAM STATUS

The Marine Corps requirement is 79 aircraft. The KC-130J is procured as a commercial-off-the-shelf aircraft currently in production. Current programming brings the total number of KC-130J aircraft to 46. Initial Operational Capability was achieved in 2005.

Procurement Profile: FY2008 FY2009

Quantity: 4 2

Developer/Manufacturer:

Lockheed Martin Aeronautics Company